

I-580 EXPRESS LANE POLICY ADVISORY COMMITTEE

MEETING NOTICE

Monday, March 14, 2011
9:45 a.m. Joint Meeting with
I-680 JPA
Alameda CTC Board Room
1333 Broadway, Suite 300
Oakland, California 94612

Chair: Supervisor Scott Haggerty, County of Alameda
Vice Chair: Mayor Jennifer Hosterman, City of Pleasanton
Members:
Mayor Mark Green, City of Union City, Alameda CTC Chair
Mayor Marshall Kamena, City of Livermore
Mayor Tim Sbranti, City of Dublin

Staff Liaison: Frank R. Furger
Secretary: Christina Muller

AGENDA

Please note that items under Agenda Item A.0 will be taken up during the joint session with Sunol Smart Carpool Lane Joint Powers Authority Governing Board.

A.0 JOINT MEETING WITH SUNOL SMART CARPOOL LANE JOINT POWERS AUTHORITY (JPA) GOVERNING BOARD

A.1 Convene joint meeting with I-580 Express Lane Policy Advisory Committee (PAC)

A.2 PAC Roll Call – Confirm PAC Quorum (no action by JPA Board)

A.3 I-680 Express Lane Status Update* (Page 1)

Information

The Express Lane Facility opened on September 20th at 5 am. Attached is a summary of operations of the facility for the first 24 weeks of operations.

A.4 Northbound HOV/Express Lane Project – Project Delivery Plan* (Page 11) Discussion/Action

At the February, 2011 I-680 Express Lane JPA meeting, staff was requested to prepare and present the I-680 Northbound HOV / Express Lane Project Delivery Plan to expedite the opening of the NB facility. Staff has gathered the available studies that were prepared for this project and is in the process of developing a draft project delivery plan. A status report will be provided at the meeting.

A.5 Recess Joint Meeting

1.0 PUBLIC COMMENT

Members of the public may address the Committee during “Public Comment” on any item not on the agenda. Public comment on an agenda item will be heard when that item is before the Committee. Anyone wishing to comment should make his or her desire known to the Chair.

2.0 MINUTES OF FEBRUARY 14, 2011* (Page 13)

Action

The Committee is requested to approve the attached Minutes of February 14, 2011.

3.0 ADMINISTRATIVE MATTERS

There are no reports this month.

4.0 HOV/EXPRESS LANE PROJECT STATUS UPDATE

4.1 I-580 Tri-Valley Rapid Corridor Improvements

Information

Status Report for the I-580 Eastbound HOV Lane Project* (Page 17)

Attached for the Committee's review is the monthly status report for the I-580 Tri-Valley Rapid Corridor Improvements: Eastbound HOV lane- Segments 1 and 2, and the HOT lane Projects. The CMA is the sponsor of the HOV. However, the construction phase of the HOV lane is administered by Caltrans. The construction status report covers all activities through January 31, 2011.

4.2 I-580 Westbound Express Lane Project – Project Delivery Plan* (Page 21)

Information

At the February 2011 I-580 Express Lane PAC meeting, staff was requested to prepare and present the I-580 Westbound HOV / Express Lane Project Delivery Plan to expedite the opening of the WB facility. Staff has been working on developing the plan which will be discussed with and concurred to by Caltrans before it is brought back to the Committee for approval.

5.0 ADJOURNMENT/NEXT MEETING: APRIL 11, 2011

* Materials enclosed

** Verbal presentation will be made or materials will be available at the meeting

All items on the agenda are subject to action and/or change by the JPA Board.

PLEASE DO NOT WEAR SCENTED PRODUCTS SO INDIVIDUALS WITH ENVIRONMENTAL
SENSITIVITIES MAY ATTEND

Glossary of Acronyms

ABAG	Association of Bay Area Governments	MTC	Metropolitan Transportation Commission
ACCMA	Alameda County Congestion Management Agency	MTS	Metropolitan Transportation System
ACE	Altamont Commuter Express	NEPA	National Environmental Policy Act
ACTA	Alameda County Transportation Authority (1986 Measure B authority)	NOP	Notice of Preparation
ACTAC	Alameda County Technical Advisory Committee	PCI	Pavement Condition Index
ACTC	Alameda County Transportation Commission	PSR	Project Study Report
ACTIA	Alameda County Transportation Improvement Authority (2000 Measure B authority)	RM 2	Regional Measure 2 (Bridge toll)
ADA	Americans with Disabilities Act	RTIP	Regional Transportation Improvement Program
BAAQMD	Bay Area Air Quality Management District	RTP	Regional Transportation Plan (MTC's Transportation 2035)
BART	Bay Area Rapid Transit District	SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act
BRT	Bus Rapid Transit	SCS	Sustainable Community Strategy
Caltrans	California Department of Transportation	SR	State Route
CEQA	California Environmental Quality Act	SRS	Safe Routes to Schools
CIP	Capital Investment Program	STA	State Transit Assistance
CMAQ	Federal Congestion Mitigation and Air Quality	STIP	State Transportation Improvement Program
CMP	Congestion Management Program	STP	Federal Surface Transportation Program
CTC	California Transportation Commission	TCM	Transportation Control Measures
CWTP	Countywide Transportation Plan	TCRP	Transportation Congestion Relief Program
EIR	Environmental Impact Report	TDA	Transportation Development Act
FHWA	Federal Highway Administration	TDM	Travel-Demand Management
FTA	Federal Transit Administration	TEP	Transportation Expenditure Plan
GHG	Greenhouse Gas	TFCA	Transportation Fund for Clean Air
HOT	High occupancy toll	TIP	Federal Transportation Improvement Program
HOV	High occupancy vehicle	TLC	Transportation for Livable Communities
ITIP	State Interregional Transportation Improvement Program	TMP	Traffic Management Plan
LATIP	Local Area Transportation Improvement Program	TMS	Transportation Management System
LAVTA	Livermore-Amador Valley Transportation Authority	TOD	Transit-Oriented Development
LOS	Level of service	TOS	Transportation Operations Systems
		TVTC	Tri Valley Transportation Committee
		VHD	Vehicle Hours of Delay
		VMT	Vehicle miles traveled



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www.AlamedaCTC.org



Alameda County
Transportation Commission
1333 Broadway, Suite 220
Oakland, CA 94612



Directions to the Offices of the Alameda County Transportation Commission:

1333 Broadway, Suite 220
Oakland, CA 94612

Public Transportation Access:

BART: City Center / 12th Street Station

AC Transit:

Lines 1, 1R, 11, 12, 13, 14,
15, 18, 40, 51, 63, 72, 72M,
72R, 314, 800, 801, 802,
805, 840

Auto Access:

- Traveling South: Take 11th Street exit from I-980 to 11th Street
- Traveling North: Take 11th Street/Convention Center Exit from I-980 to 11th Street
- Parking:
City Center Garage – Underground Parking,
(Parking entrances located on 11th or 14th Street)

Memorandum

Date: March 3, 2011
To: **Sunol Smart Carpool Lane JPA**
From: Frank R. Furger, Executive Director
Subject: I-680 Express Lane: Update on Operations

Attached for the Board's review is a summary of the 24 weeks of operations of the I-680 Express Lanes.

Total Gross Revenue through 24 weeks	\$ 354,774
Average Daily Revenue	\$ 2,956
Average Daily Revenue - 2011	\$ 3,911
Highest Daily Revenue – February 8th	\$ 11,373
Total Trips through 24 weeks	155,788
Average Number of Trips per day	1,298
Average Number of Trips per day - 2011	1,431
Highest Number of Trips per day – February 8th	2,324
Average Toll	\$2.28
Average Peak Period Toll	\$2.91
Average Off Peak Toll	\$0.49
Range of Tolls	\$0.30 - \$7.50

Operations Summary

The Express Lane had the highest single day usage on February 8th. An accident in the general purpose lanes created a backup for much of the morning commute. As a result, a higher number of commuters than usual chose to use the Express Lane to bypass the congestion. A total of 2,324 trips were taken, with revenue of \$11,373.

Maximum toll charged: \$7.50

Attached Graphs:

Trips by Week

Revenue by Week

Cumulative Revenue by Week

Revenue by Day

Revenue by Day – 2011

Trips by Day

Trips by Day - 2011

Other Corridor Activities

Ramp Metering

Caltrans, MTC and consultants continue to work with jurisdictions in the Corridor to finalize a plan to implement ramp metering in the Corridor. Several meetings have been held with the locals to allow jurisdictions to provide their input into the plan. A draft cooperative agreement has been developed and is being reviewed by local agencies. The agreement will specify the operational plan for the ramp meters.

Additional Traffic Studies

A consultant team has begun a traffic study that will evaluate corridor travel times, volumes at the on and off ramps and movements in and out of the three Express Lane toll zones. The results of the study will be used to evaluate Express Lane operations and any needed changes to toll policy. The study is being coordinated with Caltrans and the Corridor ramp metering plan.

Automated Enforcement

Staff continues to work with the Express Lane System Integrator and other consultants in the evaluation of options for an automated enforcement system. I have also met with staff from BATA to explore options for a partnership to implement an automated enforcement demonstration project in the Corridor.

Tours of the Express Lane Facility

Staff has hosted two tours of the Express Lane facility over the last month.

On February 9th, JPA Chair Haggerty provided an overview of the Express Lane development process to Board members and staff from the Contra Costa Transportation Authority. Following the briefing in the Traffic Management Center, the group was taken for a tour of the Corridor.

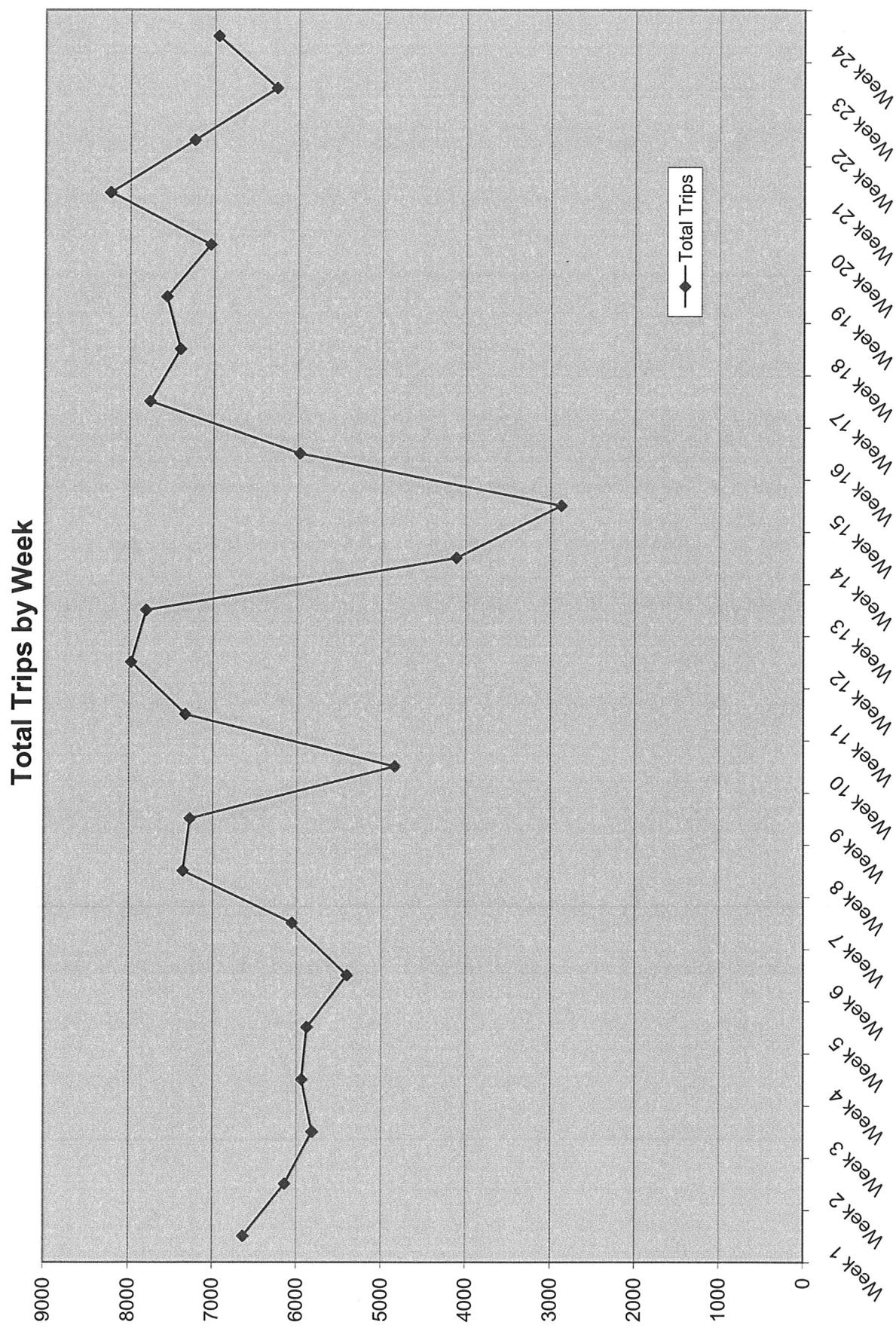
On February 17th, staff and consultants from the Los Angeles County Metropolitan Transportation Authority visited the I-680 TMC and took a tour of the facility. LA Metro is in the development stage for planned Express Lanes on I-10 and I-110. These projects are scheduled to open in 2012.

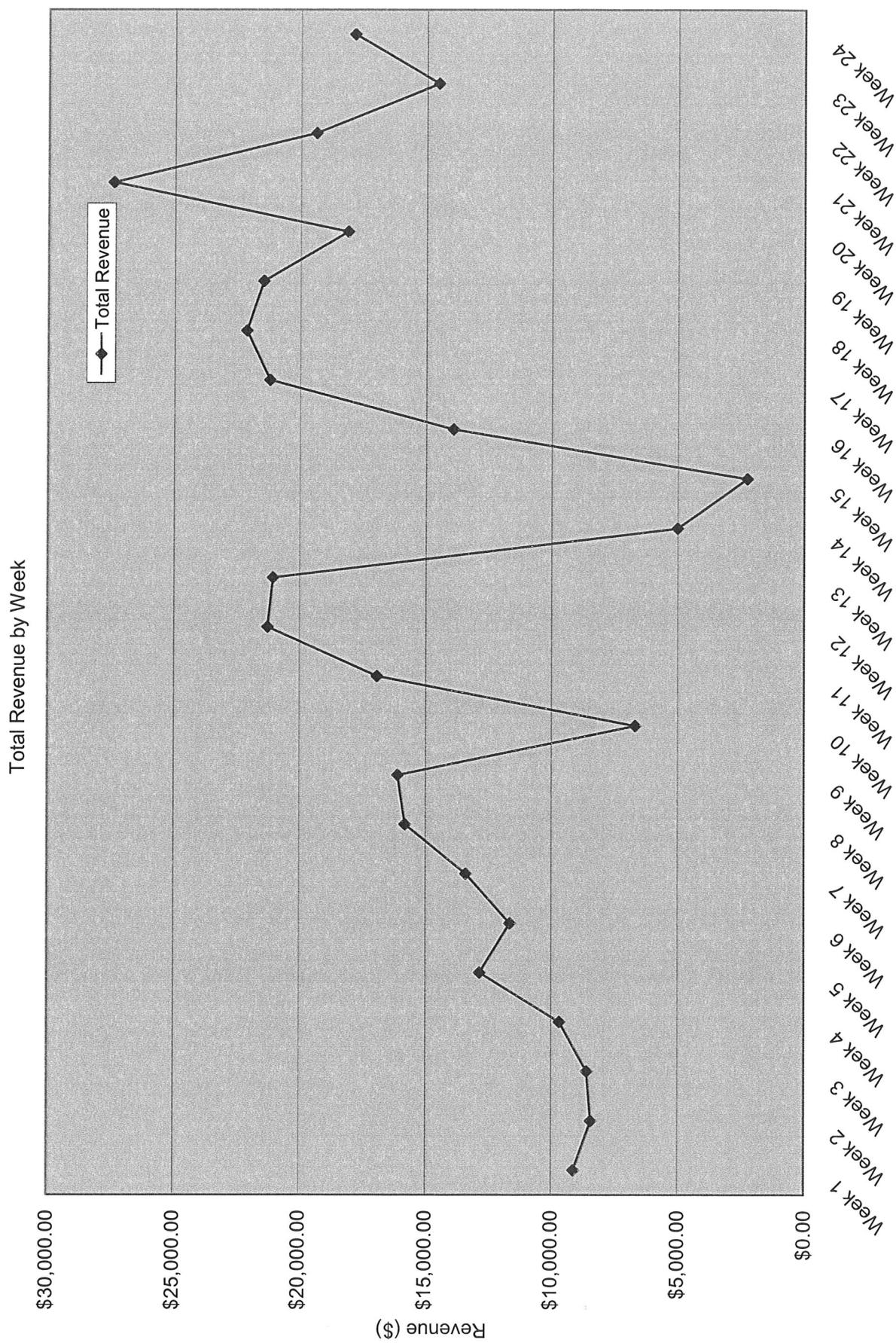
Media Coverage

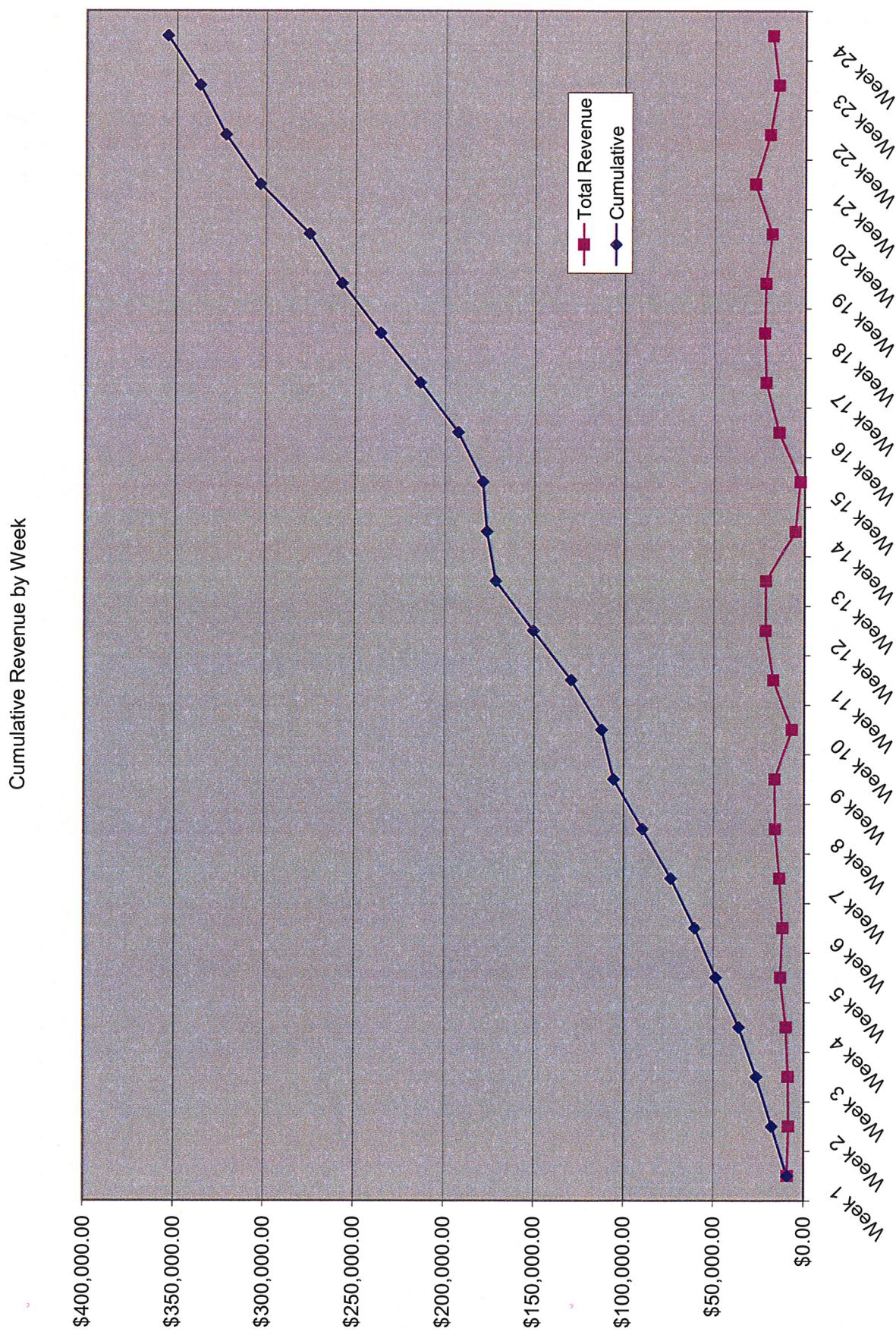
The Express Lane continues to attract media coverage. The following is a link to a favorable article that was in the San Jose Mercury News discussing the operations of the Express Lane and the travel times in the corridor.

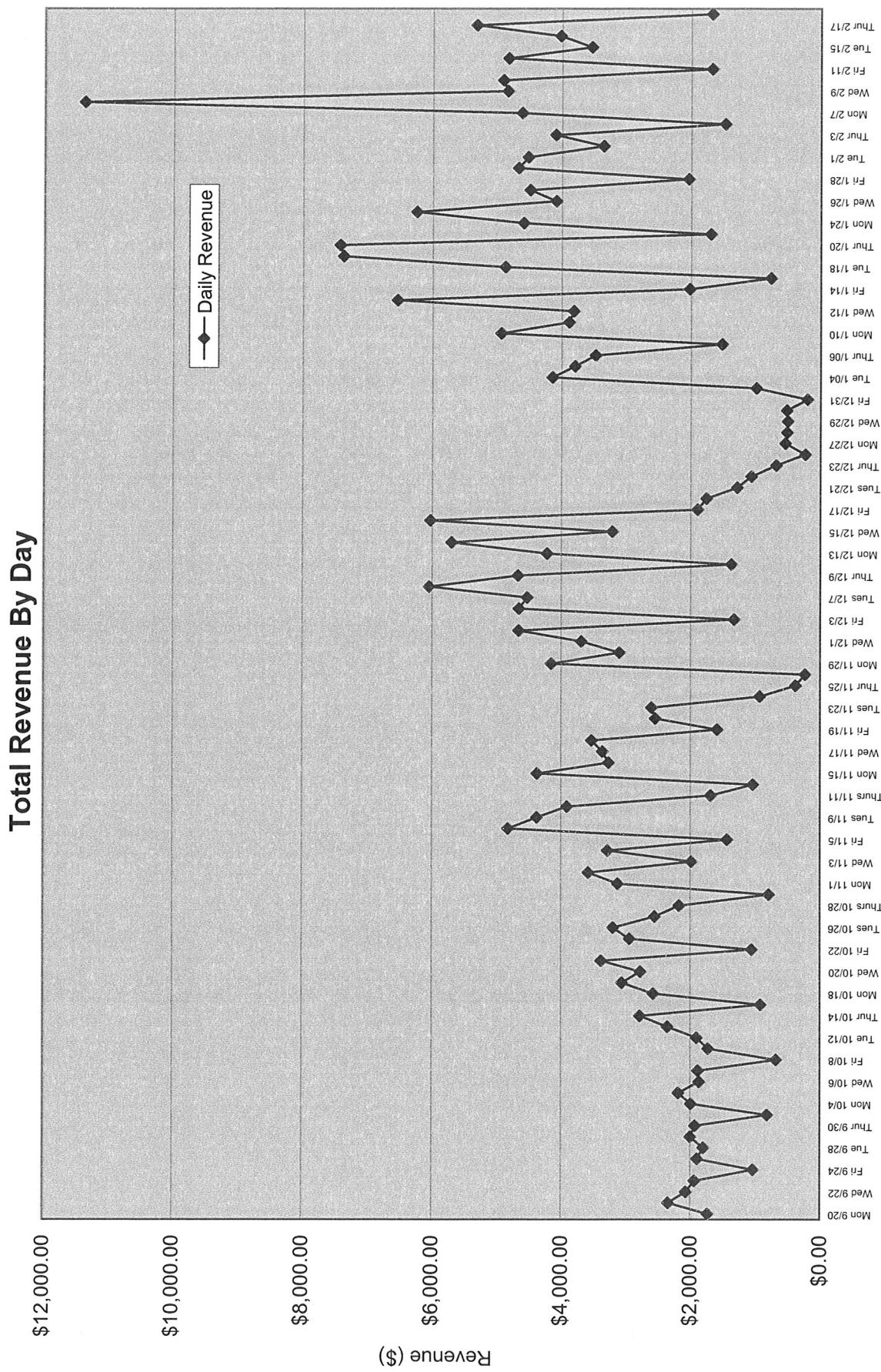
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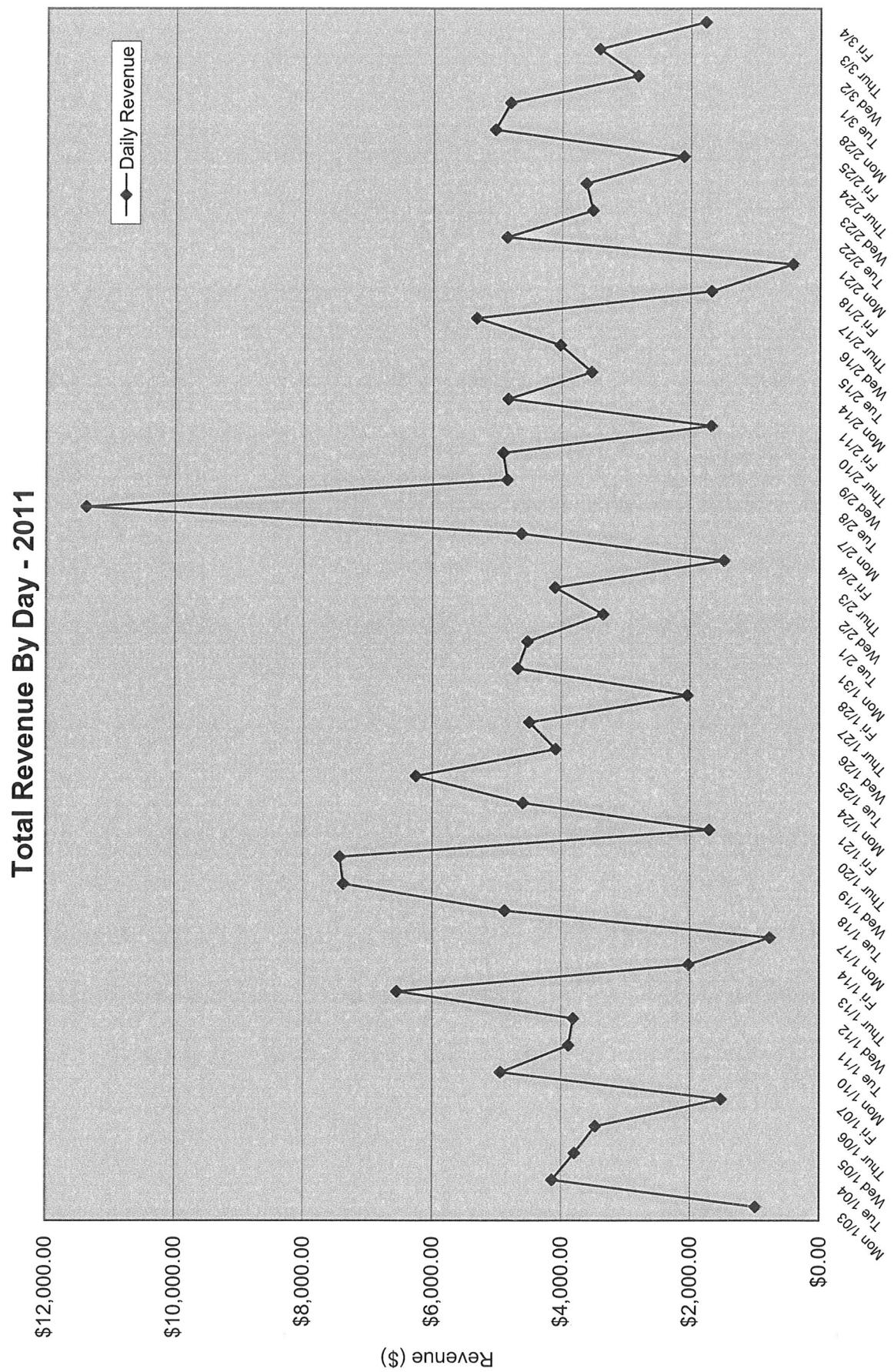
I have also received a request from the Alameda Newspaper Group to do a similar story.

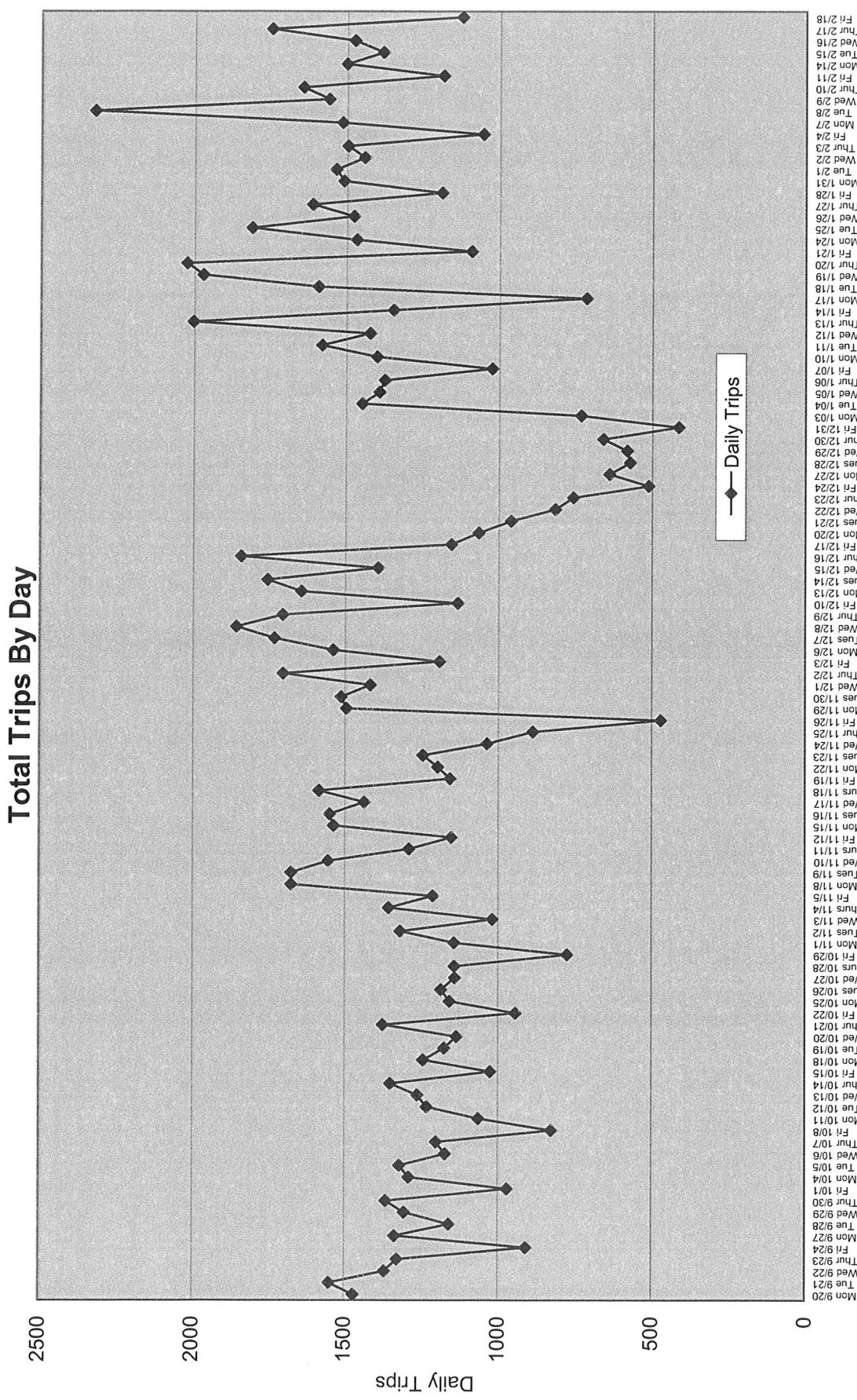


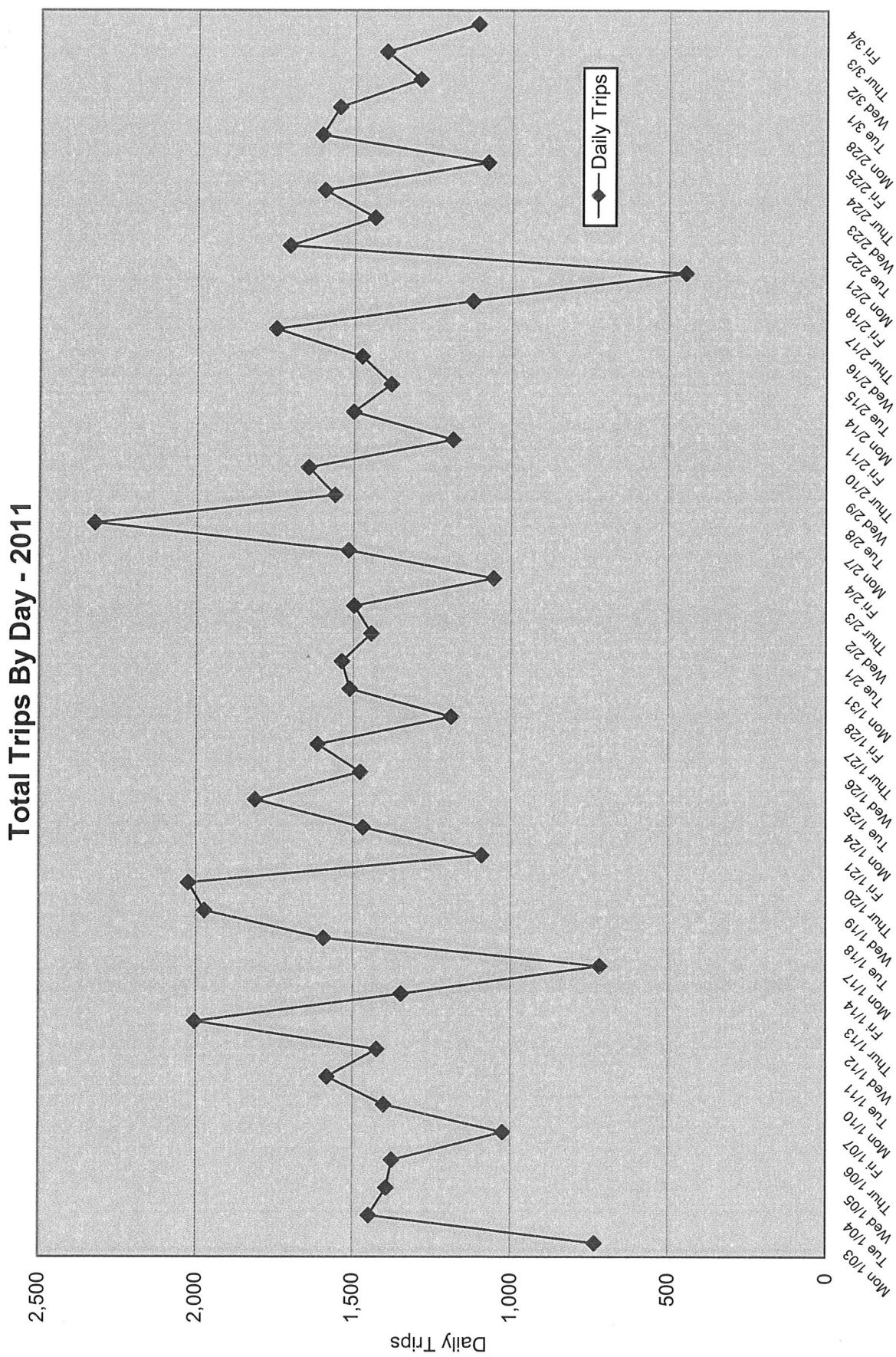












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Memorandum

Date: March 7, 2011

To: I-680 Sunol Smart Carpool Lane Joint Powers Authority

From: Ray Akkawi, Manager of Project Delivery

Subject: Initiation of the I-680 Northbound High Occupancy Vehicle/High Occupancy Toll Lane (HOV/HOT or Express Lane) Project

Recommendations:

At its meeting in February 2011, the Joint Powers Authority requested staff to explore ways to expedite the delivery of the I-680 Northbound High Occupancy Lane/High Occupancy Toll Lane (HOV/HOT or Express Lane) Project.

This is to inform the JPA that staff is working with the Santa Clara Valley Transportation Authority (VTA), Caltrans, and the Metropolitan Transportation Commission (MTC) to restart the project development work for this project by:

- Reviewing the initial HOV project scope that was approved by Caltrans in 2005;
- Identifying a project phase or phases that could be developed and constructed in the most expedited fashion balancing congestion relief, toll revenue generation, safety and meeting design standards and funding constraints;
- Identifying an expedited project development process to re-start the project;
- Identifying current and future funding sources for all project components (preliminary engineering, design, right-of-way, utility relocation, construction capital, system integration and project management); and,
- Developing an expedited and realistic project schedule for project implementation.

It is expected a preliminary project delivery plan that would include initial project scope and schedule could be brought back to the JPA meeting in April.

Summary:

A project delivery plan for the I-680 Northbound HOV / Express Lane project is needed to define the scope, cost including funding sources, delivery options, and implementation schedule. The plan will discuss the delivery options, potential funding sources, and roles and responsibilities of partners.

Discussion:

The I-680 Corridor is a primary north-south transportation corridor between Alameda and Santa Clara Counties, which serves commuter, commercial, and recreation traffic. Previously the corridor was considered the second most congested corridor in the Bay area. Improvements to the southbound direction between Route 84 and Route 237; the interim HOV lane followed by the ultimate HOV / Express Lane project along with the slower economy reduced the congestion levels in southbound direction. There are three general purpose lanes, one HOV / Express Lane, truck climbing lane (where needed), and auxiliary lanes in the southbound direction.

The northbound direction has three general purpose lanes and a short truck climbing lane. Assuming NB traffic volumes similar to the southbound, the cross section of northbound direction then needs to have the same number of lanes as the southbound direction. Improvement plans for the northbound direction have been underway for a quiet sometime. As the environmental document for these improvements comes to conclusion in the very near future, a project delivery plan discussing the potential to bring congestion relief to the northbound is needed Caltrans has approved a project report to construct a northbound HOV lane from Route 237 to Route 84. The scope of the project includes the following features:

- Widening in the median and on the outside to provide for full standard facility that includes HOV / Express Lane with a 4 ft buffer;
- Five auxiliary lanes extending from Jacklin Road interchange to the I-680/Route 238 Separation.
- Ramp metering facilities at 14 northbound on-ramps
- Sound walls and retaining walls as deemed necessary

The cost of the capital improvements only is \$132.5 million in 2005 dollars. This estimate does not include the any soft cost or the conversion to Express Lane.

The approved report proposes to add an interim HOV lane into the northbound I-680 using a phased approach. The first phase will widen in the median from Jacklin Road to Washington Blvd, widen three structures and replace Sheridan Road overcrossing, and provide a northbound HOV lane with nonstandard inside shoulder.

The estimated capital cost of this phase is \$73.3 million in 2005 dollars. Future phases to bring the facility to full standards will cost around \$60 million.

Using this and other information staff is in the process of developing the project delivery plan. Caltrans and VTA, our partners will be involved in developing this plan.



**I-580 EXPRESS LANE POLICY ADVISORY COMMITTEE
MINUTES OF February 14, 2011**

**A.0 JOINT MEETING WITH SUNOL SMART CARPOOL LANE JOINT POWERS AUTHORITY (JPA)
GOVERNING BOARD**

A.1 Convene joint meeting with I-580 Express Lane Policy Advisory Committee (PAC)

A.2 PAC Roll Call – Confirm PAC Quorum (no action by JPA Board)

A.3 I-680 Express Lane Status Update

Furger provided a power point presentation reflecting "21 Week Summary" of the facts and figures collected from September 20, 2010 to February 11, 2011. Furger discussed the CHP enforcement along the corridor and addressed questions from the Board members on CHP enforcement.

A.4 Update on Insurance Requirements for Express Lanes

Legal counsel reviewed the Summary of Insurance Options for the JPA, and outlined three different options of coverage for the Board's consideration. After discussion, a motion was made by Green to approve Option 2: Premises and Operations Liability - \$10,000 deductible / Limits of \$2,000,000 per occurrence, \$3,000,000 per year. A second was made by Harrison. Chair Haggerty requests that an RFP for insurance services and coverage be re-bid in one year. The motion passed unanimously.

A.5 Update on Automated Enforcement Options

Furger reviewed with the JPA and PAC the enforcement process for the Express Lane is currently being performed by the California Highway Patrol (CHP) at a cost of approximately \$300,000 per year. Furger advised the JPA and PAC that he is investigating the option of an automated enforcement system that could be implemented on the Express Lane, and may allow for reduction in the CHP enforcement cost. Furger provided a power point presentation reviewing options for automated enforcement. After discussion, Furger was directed to coordinate with BATA and explore automated enforcement options. Furger will provide an update at the next meeting.

A.6 Recess Joint Meeting

1.0 PUBLIC COMMENT

There was no public comment.

2.0 MINUTES OF JANUARY 10, 2011

A motion was made by Green to approve the Minutes of January 10, 2011; a second was made by Biddle. The motion passed unanimously.

3.0 ADMINISTRATIVE MATTERS

There are no reports this month.

4.0 HOV/EXPRESS LANE PROJECT STATUS UPDATE

4.1 I-580 Tri-Valley Rapid Corridor Improvements Status Report for the I-580 Eastbound HOV Lane Project

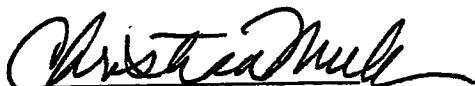
Akkawi reviewed the monthly status report for the I-580 Tri-Valley Rapid Corridor Improvements: Eastbound HOV lane Segments 1 and 2, and the HOT lane projects. The CMA is the sponsor of the HOV. However, the construction phase of the HOV lane is administered by Caltrans. The construction status report covers all activities through January 31, 2011.

Chair Haggerty inquired the status on I-580 WB. Dao advised the Committee that the I-580 WB HOV/HOT project is proceeding ahead and an update will be provided at the March meeting. Dao stated the Alameda CTC approved the issuance of an RFP to bring on a consultant to conduct the Project Study Report for the WB HOT elements. In the meantime, the traffic operation analysis is ongoing, to be followed with a revenue study. This project is \$136 million and fully funded by CMIA. Construction is scheduled to start in the early summer or fall 2012, and scheduled for completion in 2014. Chair Haggerty expressed his concerns with the delivery schedule and asked if delays were due to environmental or funding issues. Zabaneh assured the Committee that the construction must start in 2012, or project funds will be lost. Zabaneh said the project is fully funded with CMIA money, but funding is dependant on bond sales. After discussion, Chair Haggerty expressed his concerns about the schedule and asked if the project schedule could be accelerated six to nine months, which would start construction in the first quarter of 2012. He emphasized that staff should do everything to expedite and accelerate the construction start date. After discussion, Dao stated he will provide a detailed schedule at the next meeting.

5.0 ADJOURNMENT/NEXT MEETING: MARCH 14, 2011

The next I-580 Policy Advisory Committee meeting is scheduled for March 14, 2011.

Attested by:



Christina Muller, Secretary



1333 BROADWAY, SUITE 220, PHONE (510) 836-2560 . FAX (510) 836-2185

**CMA I-580 EXPRESS LANE
POLICY ADVISORY COMMITTEE**

February 14, 2011
ACTIA/CTC Board Room
1333 Broadway, Suite 300, Oakland, CA

MEMBERS	Initials	CMA STAFF	Initials
Supervisor Scott Haggerty, County of Alameda Chair, 580 PAC	JVK	Art Dao ACTC Executive Director	and
Mayor Jennifer Hosterman, City of Pleasanton Vice Chair, 580 PAC		Frank Furger JPA Executive Director	JF
Mayor Mark Green, City of Union City	MG	Ray Akkawi, Mgr of Project Delivery	RAYA
Mayor Marshall Kamena, City of Livermore	MM	Christina Muller, Secretary	CM
Don Biddle Mayor Tim Sbranti, City of Dublin	TB	Claudia Leyva, Administrative Assistant	CDL
Council Member Bill Harrison, City of Fremont (Alternate)	BH		

LEGAL COUNSEL/OTHERS

	Initials		
Zack Wasserman - WRBD	Pamela Mintzer	(P)	James O'Brien ACTC-ACTA PCT
Neal Parish, - WRBD		(NP)	
Pamela Schock Mintzer, WRBD			
Emily Landin-Lowe - Caltrans	EL		
Mark Zabaneh - Caltrans	MZ		
Leo Scott – Gray-Bowen, Inc			

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3. Michael Todasco	TEKASIS, Inc	408.207-5246	mike@tekasis.ca
4. PATRICIA REAVY	ACTC	510.267-7422	p.reavy@AlamedaCTC.org
5. YUONNE CHAN	AlamedaCTC	510-350-2321	ychan@accma.ca
6. STEPHEN HARRIS	ACTC	510-350-2330	SHARRIS@ACCMA.CA.GOV
7. Ken Ross	Livermore	925-960-4572	kenross
8. Ramsey Hissom	WPS	408-997-9585	ramsey.hissom@wps.com
9. SHRUTI MALIK	WSA	415-495-6201 ext 224	smalik@willows.com
10. Jain Argel	AlCo. Board	408-551-1945	Jain.Argel@accma.ca

11. Red Mountain BATA 610 877-5960 rmcmliaid@msn.ca (604)
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1333 BROADWAY, SUITE 220 . PHONE (510) 836-2560 . FAX (510) 836-2185

Memorandum

Date: March 7, 2011

To: I-580 Express Lane Policy Advisory Committee

From: Ray Akkawi, Manager of Project Delivery

Subject: I-580 Tri-Valley Rapid Corridor Improvements: Status Report for the I-580 Eastbound HOV Lane Project.

Attached for the Committee's review is the monthly status report for the I-580 Tri-Valley Rapid Corridor Improvements: Eastbound HOV lane- Segments 1 and 2, and the HOT lane Projects. The CMA is the sponsor of the HOV. However, the construction phase of the HOV lane is administered by Caltrans. The construction status report covers all activities through February 28, 2011.

**I-580 HOV LANE PROJECT
Construction Status Report
Through February, 2011**

PROJECT DESCRIPTION

The EB I-580 HOV Lane project will construct an HOV lane in the median from Hacienda Blvd in the City of Dublin to Greenville Road in the City of Livermore. The project will construct auxiliary lanes between Fallon and Airway, the new Isabel interchange and North Livermore, North Livermore and First Street, and First Street and Vasco. To receive competitive bidding and complete the project sooner, the CMA split the project into two smaller construction segments. Segment 1 limits are from Greenville Road to Portola Ave. Segment 2 limits are from Portola Ave to Hacienda Blvd. To comply with the CMIA scope, a third contract was added to construct the auxiliary lanes between the new Isabel interchange and First Street. Funding for the third contract came from bid savings from contract one and revising the estimates for contract 2.

PROJECT FUNDING

The I-580 EB HOV is fully funded through Federal, State, and local funds available for the I-580 Corridor.

CONSTRUCTION STATUS

Segment 1: The construction contract of this segment (from Greenville Road to Portola Avenue) was completed on February 2, 2010.

Segment 2: This segment of the I-580 Eastbound HOV Lane project will construct an eastbound HOV lane from Portola Avenue in the City of Livermore to the Hacienda Blvd interchange in the City of Dublin. The project will widen the inside and outside shoulders to accommodate the conversion of the HOV lane to High Occupancy Toll (HOT) lane. It will construct auxiliary lanes from Airway to Fallon and from Fallon to Santa Rita, and will also rehabilitate the existing pavement to provide a better roadway surface.

Contract Status:

Contract #2 was awarded by Caltrans on July 29, 2009 to in the amount of \$30,454,448. The contract work started on August 21, 2009 and the estimated contractual completion date is August 25, 2011. The HOV Lane between Portola Ave and Airway Blvd was opened to traffic on July 18, 2010. The remainder of the HOV, between Airway and Hacienda was opened on November 5, 2010. While the HOV lane is opened, there are other works the needed to be completed before Caltrans can accept the contract. It is anticipated that the contract will be completed in March 2011.

FINANCIAL STATUS

Budget and Expenditure Summary/ Construction Phase

The table below is the breakdown of the funding allocation.

Contract 2	
Bid Amount	\$30,454,448
ALLOCATION:	
Supplemental Funds	\$1,860,450
State Furnished Mat.	\$1,271,600
Contingency Fund (5%)	\$1,616,502
Total Allotment	\$35,203,000
EXPENDITURES:	
Items Paid to Date	\$29,283,882
Approved CCOs	\$1,240,418
Supplemental work	\$1,040,700
State Furnished Material	\$0
Total Estimated Expenditures	\$31,565,000
<i>Estimated Fund Balance (Allocation – Expenditures)</i>	\$3,638,000

SCHEDULE STATUS

	Contract 2
Bid Opening:	June 3, 2009
Contract Approval:	July 29, 2009
Total Working Days per Bid	490
First Charged Working Day	August 21, 2009
Contractual Completion Date:	August 18, 2011
Time Extension due to Weather Days:	20 Working Days
Time Extension due to Change orders:	00 Working Days
% Completion (Time):	74%
%e Completion (Work):	96%

OUTSTANDING ISSUES/DISPUTES/CLAIMS

All issues related to the coordination with Isabel Interchange project were resolved.

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Memorandum

Date: March 7, 2011

To: I-580 Express Lane Policy Advisory Committee

From: Ray Akkawi, Manager of Project Delivery

Subject: I-580 Westbound High Occupancy Vehicle/High Occupancy Toll Lane (HOV/HOT or Express Lane) Project – Project Update

Recommendations:

This is an informational item only and no action is requested. At its meeting in February 2011, the Policy Advisory Committee requested to staff to develop a project delivery plan for I-580 Westbound High Occupancy Vehicle/High Occupancy Toll Lane (HOV/HOT or Express Lane) Project. Staff has been working on developing the plan which will be discussed with and concurred to by Caltrans before it is brought back to the Committee for approval.

Summary:

A project delivery plan for the I-580 Westbound Express Lane project is needed to define the scope, cost including funding sources, delivery options, and implementation schedule. The plan will also include delivery options, potential funding sources, and roles and responsibilities of partners.

Discussion:

The I-580 Corridor is the main freeway connecting the central valley to the Bay Area. The I-580 Corridor in the Tri-Valley area is the second most congested corridor in the Bay Area.

Some improvements to relief congestion on the I-580 Corridor have already been implemented; others are in various phases of project development. These improvements include the following projects:

1. Eastbound HOV lane from Hacienda Drive to Greenville Road – opened Nov 2010.
2. Eastbound Express Lane from Hacienda Drive to Greenville Road – Design phase.
3. Auxiliary Lanes from the new Isabel Avenue Interchange to First Street – Design phase.
4. Westbound HOV lane from Foothill to Greenville Road – Design phase.
5. Feasibility study to convert the WB HOV lane to Express lane – Completion June 2011.
6. A Traffic Management Plan that includes ramp metering was implemented in 2008.

As the project development of the westbound HOV project proceeds toward completion, staff is evaluating the several options to convert the HOV Lane to an Express Lane. The feasibility study to convert the HOV lane into an express lane will include a Traffic Operations Analysis Report (TOAR). The report will be accompanied by a toll revenue forecast. The TOAR will determine the number of lanes needed and the timing to implement these lanes. Meanwhile, staff is developing a project delivery plan to implement the conversion to Express Lane. The plan will address the project development process for civil elements, the development of the Electronic Toll System, the required cooperative, interface, enforcement, and tolling agreements, the estimated cost of the project, the potential funding sources, options to implement the conversion, the schedule, and a risk management plan. The project delivery plan will be discussed with Caltrans, owner of the facility and MTC, owner of the Regional Hot Lane Network. Upon concurrence from the partners the plan will be presented to the Committee for approval.